



भारत का राजपत्र The Gazette of India

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No. 42] NEW DELHI, SATURDAY, OCTOBER 18—OCTOBER 24, 2003 (ASVINA 26, 1925)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Kolkata, the 18th October 2003

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Union Territory of Chandigarh.

Telegraphic Address "PATENTOFIC"
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E-Mail: delhipatent@vsnl.net

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Guna Complex, 6th Floor, Annex-II,
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Chennai-600 018.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu and
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Aminidivi Islands.

Telegraphic Address "PATENTOFFIC"
Phone Nos. (044) 2431 4324/4325/4326.
Fax No. (044) 2431 4750/4751.
E-Mail: patentchennai@vsnl.net

4. Patent Office (Head Office),
Nizam Palace, 2nd M.S.O. Building,
5th, 6th & 7th Floor,
234/4, Acharya Jagadish Bose Road,
Kolkata-700 020.

Rest of India.

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Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.

E-Mail: patentin@vsnl.com
patindia@giasci01.vsnl.net.in

Website : http://ipindia.nic.in

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कोलकाता, दिनांक 18 अक्टूबर 2003

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,
टोडी इस्टेट, तीसरा तल,
सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा
गोआ राज्य क्षेत्र एवं
संघ शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता : "पेटोफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई.मेल : patmum@vsnl.net

2. पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता : "पेटेंटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,
2587 1258.

फैक्स : (011) 2587 1256.

ई.-मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,
गुणा कॉम्प्लेक्स, छठा तल, एनेक्स-II,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र लक्षद्वीप, मिनीकाय तथा एमिनिदिव द्वीप ।
तार पता - "पेटेंटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई.-मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5वां, 6वां व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई.-मेल : patentin@vsnl.com

patindia@giasci01.vsnl.net.in

वेब साइट : http://ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002
अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण
या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित
कार्यालय में ही ग्रहण किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से
निर्यंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा
सकती है ।

ALTERATION OF DATE UNDER SECTION 16

191253 (868/DEL/1994) ANTE-DATED TO 13TH APRIL, 1993.

अभिगृहित पूर्ण विनिर्देश

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन, साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथासंशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Indian Classification :- 129 **191251**

International Classification⁴ :- C 22B 1/00

Title :- "A Method for Manufacturing Shorts Free Mask/device"

Applicant :- Indian Institute of Technology, an Indian Institute of Hauz Khas
New Delhi -110 016.

Inventors :- GAURANGA BOSE - INDIAN

Application for Patent Number 678/del/1994 filed on 30/05/1994

Complete left after Provisional Specification filed on 22/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,
New Delhi Branch - 110 008.

(Claims 2)

A method for manufacturing a short(s) free mask/device as herein described comprising preparing a mask/device in a conventional manner, characterized in that applying a coating of photoresist on said device/mask, scanning said mask/device by a microscope to determine the position of short, exposing the shorted area by said microscope having a slit provided therewith for a period of 1-2 minutes, developing said exposed mask/device and removing the photoresist therefrom and then subjecting said mask/device to the step of etching to get a short free mask/device.

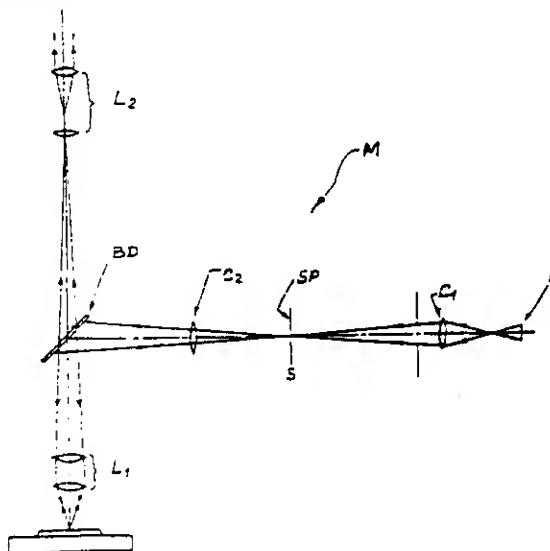


Fig. 1

Provisional Specification	No of Pages	5	Drawings Sheets	1
Complete Specification	No of Pages	8	Drawings Sheets	1

Indian Classification	:	140 B(1)	191252
International Classification ⁴	:	C10M 143/00	
Title	:	"AN IMPROVED DISTILLATE FUEL OIL COMPOSITION."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	ALOK KUMAR CHATTERJEE - INDIAN PAPPU SATYANARAYANA MURTHY – INDIAN KRISHAN KUMAR – INDIAN GIRISH CHANDRA JOSHI - INDIAN	

Application for Patent Number 867/Del/94 filed on 11th July, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 005.

(4 Claims)

An improved distillate fuel oil composition which comprises novel acrylate polymer prepared by the process such as herein described and diesel fuel wherein the amount of acrylate polymer used is in the range of 200 to 1000 ppm of the diesel fuel employed.

(Complete Specification 18 Pages Drawings Nil Sheets)

Indian Classification	:	140 B (1)	191253
International Classification ⁴	:	C10M 143/00	
Title	:	"AN IMPROVED DIESEL FUEL OIL COMPOSITION".	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	ALOK KUMAR CHATTERJEE - INDIAN PAPPU SATYANARAYANA MURTHY – INDIAN KRISHAN KUMAR – INDIAN GIRISH CHANDRA JOSHI - INDIAN	

Application for Patent Number 868/Del/94 filed on 11th July. 1994.

Divisional out of Patent Application No. 367/del/93 filed on 13/4/93. Complete left after Provisional on 11/7/94

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(6 Claims)

An improved diesel fuel oil composition which comprises 200 to 1000 ppm of a novel acrylate copolymers, having a molecular weight ranging from 2000-20,000 daltons, 10-300 ppm of a polyalkylene glycol ether.

(Complete Specification 18 Pages Drawing Nil Sheets)

Indian Classification :- 901 **191254**

International Classification⁴ :- C04B 35/14

Title :- "A process for the preparation of spherical pellets of silica."

Applicant :- Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001 India, an Indian registered body incorporated under the registration of Societies Act (Act XX1 of 1860)..

Inventors :- DIPAK KUMAR DUTTA -INDIA,
PINAKI - SENGUPTA -INDIA

Application for Patent Number 1267/Del/1994 filed on 05/10/1994

Complete left after Provisional Specification filed on 13/12/1995 :05/10/1994 Complete filed on :

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

(Claims 03)

A process for the preparation of spherical pellets of silica which comprises mixing a slurry of precipitated silica, in presence of a binder in a ratio of 0.1-0.3% wt/wt, along with dry powder of precipitated silica in a mixer pelletizer and drying the spherical pellets at a temperature in the range of 100-150°C for a period of 1 to 4 hours to obtain spherical pellets of silica.

Provisional Specification	No of Pages	06	Drawings Sheets	
Complete Specification	No of Pages	12	Drawings Sheets	NIL

Indian Classification	:	40E	191255
International Classification	:	C 01 B 3/50	
Title	:	"PROCESS AND AN APPARATUS FOR PURIFYING IMPURE HYDROGEN TO RECOVER PURE HYDROGEN"	
Applicant	:	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, a French company, of 75 Quai d'Orsay, 75321 Paris Cedex 07 . France.	
Inventors	:	CATHERINE DENIS, PIERRE GAUTHIER, JEAN-CLAUDE VILLARD -All French citizens.	
Application for Patent Number 1329/DEL/94 filed on 21.10.94.			

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003): Patent Office Branch, New Delhi – 110 008.

(11 Claims)

A Process for purifying impure hydrogen to recover pure hydrogen, wherein in said process impure hydrogen is cooled under a high pressure PO to a sufficiently low temperature to condense a predetermined proportion of impurities, by heat exchange in a heat exchange line (3) with purified hydrogen and with a residual fraction containing the condensed impurities previously expanded in an expansion valve (in 11, 12) to a low pressure P1, additional cooling power being provided by expanding purified hydrogen in a turbine (8) and the expanded hydrogen being added to the impurities which are expanded at the cold end of the heat exchange line, characterized in that the turbine (8) is supplied with the supporting gas leaving the bearings (17) after cooling this gas in the heat exchange line, and a leaked flow of hydrogen is withdrawn from the labyrinth (18) of the turbine, under a pressure slightly less than the interstitial pressure P which exists between the wheel (14) and the stator (16) of this turbine.

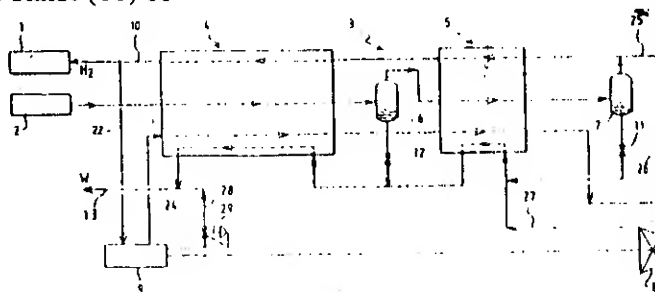


FIG. 1

(Complete Specification Pages –14 Drawing sheets – 2)

Indian Classification	: 32 E	191257
International Classification ⁷	: C08F 134/02, C08F 134/04	
Title	: "A PROCESS FOR PREPARATION OF CONDUCTING POLYMER COMPOSITE."	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	: SUBRAMANIAM RADHAKRISHNAN - INDIAN	

Application for Patent Number 1619/Del/94 filed on 14th DEC. 94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(8 Claims)

A process for the preparation of conducting polymer composite which comprises dissolving a polymerization catalyst in the range of 10 to 40% w/w, selected from group of strong electron acceptors into on low boiling point solvent adding a dispersing agent in the range of 0 to 5.5% wt to the resulting solution, stirring the solution vigorously and adding a monomer containing five membered heterocyclic group of the kind herein described in the range of 16 to 25% by wt, allowing the polymerization of the solution at room temperature filtering and drying the suspended conducting particles to obtain fine powder adding the sieved fine grade conducting particles to bulk polymer matrix having elastomer properties selected from copolymers of vinyl acetatin vinyl chloride, ethylene propylene diene, styrene butadiene polyethies ester mixing thoroughly and masticating using organic solvent, casting it into films in the thickness range of 100 u m-500 um by known methods on smooth polished substrates selected from glass plates at ambient temperature to evaporate the solvent thermally annealing the dried sheets at temperatures much above the glass transition temperature of the bulk polymer matrix by known methods to obtain conducting polymer composites.

(Complete Specification 9 Pages Drawings Nil Sheet)

Indian Classification : 32A 191258
1975

International Classification⁴ : C 07 D-213/04; 546/14

Title : "AN IMPROVED PROCESS FOR THE PREPARATION OF PYRIDINE/SUBSTITUTED PYRIDINE DERIVATIVE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SHYAM KISHORE ROY
SISIR KUMAR ROY
ANJANA BHATTACHARYA
KRISHNADEO PRASAD SHARMA-
ALL INDIAN.

Application for Patent Number 684/DEL/1996 filed on 29/03/1996
Complete left after Provisional specification filed on 17/03/1997.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(04 Claims)

An improved process for the preparation of pyridine/substituted pyridine derivative which comprises heating acetaldehyde 25-29 wt%, formaldehyde 15-18 wt%, water 27-3 wt%, ammonia 18-21 wt% and methanol 0-15 wt% to a temperature in the range of 300-400° C, contacting the gaseous reactants so obtained with a zeolite based catalyst having silica to alumina ratio greater than 12 and containing 1 to 6% of mixture of oxides of metals of group II, III, IV or VIII of the periodic table at a temperature in the range of 350-500° C maintaining the contact time in the range of 0.5 to 5 seconds, collecting the resultant product and subjecting to extraction with an aprotic organic solvent by conventional methods such as herein described separating the organic layer by known methods to obtain pyridine/substituted pyridine derivative.

(Provisional specification 07 Pages Drawing NIL Sheet)
(Complete Specification 14 Pages Drawing NIL Sheet)

Indian Classification	:	189, 55 E 2 2	191259
International Classification ⁷	:	A 61 K 7/48, A 61 K 35/78, A 61 K 33/04	
Title	:	"A PROCESS FOR PREPARING COSMETIC COMPOSITION".	
Applicant	:	COLETICA, a French joint company of 32 rue Saint Jean-de-Dieu, 69007 Lyon, France,	
Inventors	:	BRESSON-RIVAL DELPHINE PERRIER ERIC BOTH FRANCE CITIZEN	

Application for Patent Number 3484/del/97 filed on 05.12.97.

CONVENTION APPLICATION NO. 9707103/France/09.06.97
97-69062/KOREA/16.12.97
09-367826/JAPAN/27.12.97

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(8 Claims)

A process for preparing cosmetic composition, said process comprising:
admixing from 0.001 to 20% by weight of at least one sulfite of the kind such as herein described and from 0.01 to 90% by weight of at least one plant extract of the kind such as herein described to prepare said composition.

(COMPLETE SPECIFICATION 27 SHEETS

DRAWING SHEETS -00-)

Indian Classification	:	32 C	191260
International Classification ⁷	:	C 12 N 9/00, C 12 N 9/98	
Title	:	“AN IMPROVED PROCESS FOR THE PREPARATION OF NARINGINASE ENZYME USING <i>Pencillium citrinum</i>”	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH , Rafi Marg, New Delhi-110001, India (An Indian Registered Body, Incorporated under Registration of Societies Act)	
Inventors	:	SANGEETA ADEESH TELANG RAMCHANDRA VITHAL GADRE BOTH INDIAN	

Application for Patent Number 3506/Del/97 filed on 08.12.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(4 Claims)

An improved process for the preparation of naringinase enzyme useful for debittering of citrus fruits, using *Pencillium citrinum* sp. which comprises growing said *Pencillium citrinum* sp. in a conventional liquid fermentation medium such as herein described, supplemented with naringin at a range 0.01 to 1.4 g/ml, in a fermentor for a period ranging 40-120 hours, at a temperature ranging 28-33°C, recovering naringinase enzyme from liquid culture medium after separating the solids from said liquid by conventional method such as herein described.

(COMPLETE SPECIFICATION 16 SHEETS

DRAWING SHEETS -02-)

Indian Classification	:	189	191261
International Classification ⁷	:	A61K 7/16, A61C500, C03C 3/078	
Title	:	"A PROCESS FOR PREPARING A COMPOSITION FOR WHITENING TEETH."	
Applicant	:	UNIVERSITY OF MARYLAND AT BALTIMORE, OF 520, West Lombard Street, Baltimore, Maryland 21201, United States of America and USBIOMATERIALS CORPORATION, of One Progress Boulevard, Box #23, Alachua, Florida 32615, United States of America.	
Inventors	:	LEONARD JOHN LITKOWSKI - U.S. GARY DAVID HACK - U.S. DAVID CHARLES GREENSPAN - U.S.	

Application for Patent Number 2764/Del/98 filed on 15th Sep. 1998
Convention date 18.9.1997/ 60/059,222/ U.S.A

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(7 Claims)

A process for preparing a composition for whitening teeth comprising mixing 0.1 to 50% by weight of particulate bioactive and biocompatible glass which includes by weight percentage :

SiO ₂	40-60
CaO	10-30
Na ₂ O	10-35
P ₂ O ₅	2-8
CaF ₂	0-25
B ₂ O ₃	0-10
K ₂ O	0-8
MgO	0-5

with the known additives such as carriers, binders, surfactants, humectants, coloring agents, pigments, antiplaque agents, antibacterial agents, bioadhesive-type agents, abrasives, anticaries agents, flavorings, sweeteners or bulking agents and the like.

(Complete Specification 12 Pages Drawings Nil Sheets)

Indian Classification	:	32 F(C)	191262
International Classification ⁷	:	C 07 K 14/81, C 12 N 15/15	
Title	:	"A PROCESS FOR THE PREPARATION OF A PROTEASE INHIBITOR PEPTIDE USING NOVEL ALKALOTHERMOPHILIC <i>BACILLUS</i> SP."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH , Rafi Marg, New Delhi-110001, India (An Indian Registered Body, Incorporated under Registration of Societies Act)	
Inventors	:	CHANDRAVANU DASH. SANGITA UDAY PHADTARE VASANTI VISHNU DESHPANDE MALA BALCHANDRA RAO ALL INDIAN	

Application for Patent Number 3387/Del/98 filed on 13.11.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(3 Claims)

A process for the preparation of a protease inhibitor peptide useful for physiological regulation of all the body function of the kind as herein described, using novel alkalothermophilic *Bacillus* sp. which comprises growing an alkalothermophilic *Bacillus* sp having characteristics such as here in described in a conventional fermentation medium having salts and assimilable carbon and nitrogen source as described herein at a temperature in the range 37 – 50 °C for 24 hours, separating the cell free liquid of the obtained culture by conventional method such as herein described, treating the cell free liquid with a decolorizing agent preferably by charcoal or cellulose, recovering the desired protease inhibitor peptide by conventional lyophilization and reverse phase high performance liquid chromatography methods.

(COMPLETE SPECIFICATION 13 SHEETS

DRAWING SHEETS -00-)

Indian Classification	:	32F	191263
International Classification ⁴	:	C 07 D-285/12; 548.142	
Title	:	"A PROCESS FOR MAKING 2-(METHYL SULFONYL)-5-(TRIFLUOROMETHYL)-1,3,4-THIADIAZOLE".	
Applicant	:	BAYER CORPORATION , of 100 Bayer Road, Pittsburgh, Pennsylvania 15205, United States of America and BAYER AKTIENGESSELLSCHAFT , a German Company of 51368 Leverkusen, Germany.	
Inventors	:	VIJAY CHHOTABHAI DESAI-US DAVID THOMAS ERDMAN-US JACQUELINE MARIE APPLIGATE-US KLAUS JELICH-GERMAN ACHIM NOACK-GERMAN	

Application for Patent Number 3711/DEL/98 filed on 09/12/1998

Convention date:- 5,856,499; 12.12.1997; USA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(O4 Claims)

A process for making 2-(methylsulfonyl)-5-(trifluoromethyl)-1,3,4-thiadiazole comprising the steps of :

- dissolving 2-(methylthio)-5-(trifluoromethyl)-1,3,4-thiadiazole in an aprotic, aromatic solvent, and
- oxidizing the 2-(methylthio)-5-(trifluoromethyl)-1,3,4-thiadiazole with an aqueous solution of hydrogen peroxide containing 30 to 50 weight percent of hydrogen peroxide at a temperature of from 50⁰ C to 100⁰ C in the presence of an activated catalyst, wherein the said activated catalyst is present in amount of from 0.5 grams to 10 grams of catalyst per mole of 2-(methylthio)-5-(trifluoromethyl)-1,3,4-thiadiazole, and optionally
- removing water from the reaction product, and
- recovering the formed 2-(methylsulfonyl)-5-(trifluoromethyl)-1,3,4-thiadiazole.

(Complete Specification 11 Pages Drawing NIL Sheet)

Indian Classification	:	55E4	191264
International Classification ⁴	:	A 61 K 31/00	
Title	:	"AN IMPROVED PROCESS FOR THE ENZYMATIC PREPARATION OF OPTICALLY PURE GLYCIDATE ESTERS".	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an incorporated body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	NITIN WASANTRAO FAJANAVIS ASHLESHA ANANDRAO DESHPANDE SUBRAMANIAN KUMAR A VADIVEL VASUDEV JADHAV KINNERA KOTESHWAR-ALL INDIAN.	

Application for Patent Number 573/DEL/99 filed on 15/04/99
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2001) Patent Office
Delhi Branch, New Delhi – 110 008.

(03 Claims)

An improved process for the enzymatic preparation of optically pure glycidate esters of formula 3 which comprises subjecting the racemic glycidate ester of formula 1 of the drawing accompanying this specification where R = Ph, (4-OCH₃)-Ph, Methyl Ethyl Isobutyl using enzyme lipase in solubilized form or immobilized on a solid support such as polymeric materials, clays or crosslinked gelatin at pH 7-9 and temperature 20 - 40° C in presence of water and immiscible organic solvent and bisulfite, separating the enzyme by removal of the reactants in a known manner as herein described and recovering the optically pure glycidate ester by conventional crystallization methods, such as herein described.

(Complete Specification Pages 13 Drawing 02 Sheets)

Indian Classification	:	55E ₄	191265
International Classification ⁴	:	A 61 K 39/00.	
Title	:	"A METHOD OF SCREENING FOR IDENTIFYING AN EFFECTIVE ANTISENSE SEQUENCE OR RIBOZYME AGAINST A TRAGET NUCLEOTIDE SEQUENCE".	
Applicant	:	NATIONAL INSTITUTE OF IMMUNOLOGY , an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860), Aruna Asaf Ali Marg, New Delhi-110 067, INDIA.	
Inventors	:	AKHIL C. BANERJEA RITU GOILA SHWETA SHAHI SAJID HUSAIN-ALL INDIAN.	

Application for Patent Number 661/DEL/99 filed on 16/03/1998.
Complete left after Provisional specification filed on 16/06/1999

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(15 Claims)

A method of screening for identifying an effective antisense sequence or ribozyme against a target nucleotide sequence, said method comprising steps of:

- a. co-transfecting host cells such as herein described with a target nucleotide sequence such as herein described and an antisense nucleotide sequence such as herein described driven by desired a first common promoter in a manner known per se,
- b. activating the promoter described in step (a) in a manner known per se with an enzyme such as herein described to obtain a product of the target nucleotide sequence,
- c. activating a second promoter such as herein described using the product of the target nucleotide sequence,
- d. expressing reporter gene as herein described using activated promoter of step(c), and
- e. identifying an appropriate antisense sequence on the basis of degree of expression of reporting gene.

(Provisional specification 05 Pages Drawing NIL Sheet)
(Complete Specification 10 Pages Drawing NIL Sheet)

Indian Classification	:	32	191266
International Classification ⁷	:	C07C 231/02	
Title	:	"AN IMPROVED PROCESS FOR THE PRODUCTION OF AMIDES FROM AMINES. "	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	BOYAPATI MANORANJAN CHOUDARY - INDIAN VELDURTHY BHASKAR- INDIAN MANNEPALLI LAKSHMI KANTAM – INDIAN KOTTAPALLI KOTESWARA RAO – INDIAN KONDAPURAM VIJAYA RAGHAVAN - INDIAN	

Application for Patent Number 1239/Del/99 filed on 16th Sept. 1999.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(6 Claims)

An improved process for the preparation of amide which comprises reacting an amine having 1-20 carbon atoms and selected from the group comprising aromatic, aliphatic, cyclic and hetero cyclic amines with an acylating agent comprising a carboxylic acid of the kind such as herein described in a molar ratio of 1:3 to 1:10 in the presence of reusable natural montmorillonite/metal ion exchanged clay catalyst in a aromatic hydrocarbon solvent medium at a temperature in the range of 30-160°C for a period of 0.02 to 6 hours and recovering the corresponding amides by separating the catalyst through filtration and removing the solvent by rotavapour/distillation.

(Complete Specification 17 Pages Drawings Nil Sheet)

Indian Classification	:	32 F	191267
International Classification ⁷	:	C07C 229/00	
Title	:	"A BIOCONVERSION PROCESS FOR THE PREPARATION OF ALPHA-KETO ACIDS AND L-AMINO ACIDS FROM RACEMIC MIXTURE OF AMINO ACIDS."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	SANTHOOR GURURAJA BHAT - INDIAN NAGAJYOTHI - INDIAN RAJENDRA UPADHYA - INDIAN	

Application for Patent Number 1314/Del/99 filed on 30th Sept. 99.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(4 Claims)

A Bioconversion process for preparation of Alpha-Ketoacids and L-amino acids from racemic mixture of amino acids which comprises :

- a. Reacting mixture of D/DL amino acids as herein described with D-amino acid oxidase which is an intracellular enzyme located in cell and Catalase enzyme as herein described at temperature in the range of 5-40⁰C for a period of 1 to 24 hours in a rotary shaker at revolution per minute ranging from 150 to 250 in alkali metal pyrophosphate buffer as herein described at a pH range of 6 to 9.5.
- b. During reaction, D-amino acid completely gets deaminated to alpha-keto acids and the reaction mixture contains both product.
- c. Separating alpha-ketoacids and L-amino acids from the said reaction mixture by ion-exchange chromatography.

(Complete Specification 13 Pages Drawings NIL Sheet)

Indian Classification	:	55 F	191268
International Classification ⁴	:	A 61 K 35/78.	
Title	:	"A PROCESS FOR ISOLATION OF A BIOACTIVE FRACTION FROM <i>BARLERIA PRIONITIS</i> LINN MAINLY CONTAINING IRIDOID GLUCOSIDES".	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	JOGISHWAR LAL SURI SUNIL KUMAR BANERJEE SUBHASH CHANDRA TANEJA AVTAR SINGH ANAND ANIL PRABHAKAR BUPINDER SINGH AJIT KUMAR SAXENA BAL KRISHAN CHANDAN SUKHDEV SWAMI HANDA- ALL INDIAN	

Application for Patent Number 1417/DEL/99 filed on 27.10.99

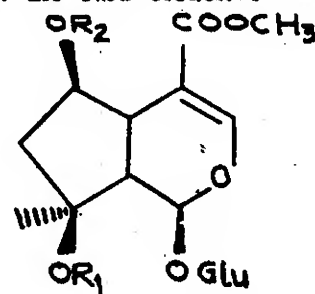
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, Delhi Branch, New Delhi – 110 008.

(03 Claims)

A process for the isolation of a bioactive fraction from *Barleria prionitis* linn mainly containing iridoid glucoside of formula 1 of the drawing accompanying this specification wherein

- (i) R1 = Ac, Acetyl Barlerin, H, Barlerin, H Shanzhiside methyl ester
- (ii) R2 = Ac, Acetyl Barlerin, H, Barlerin, H Shanzhiside methyl ester which comprises
 - a) Powdering aerial parts selected from leaves, stems, and bark or their mixtures of *Barleria prionitis*
 - b) Extracting the powdered material with 70 to 90% of aqueous alcohol such as ethanol or methanol and allowed to settle for a period of 10 to 16 hrs.
 - c) Repeating the steps (b) 2 to 3 times for the extraction of powdered material
 - d) Combined extract as obtained above in step (c) is concentrated by known methods as herein described at temperature below 45°C.
 - e) Partitioning the concentrate between water and polar solvent
 - f) Evaporating the aqueous fraction containing the bioactive constituents in a freeze drier or under reduced pressure using a thin film evaporator at a temperature below 45°C for complete dryness to get the said bioactive fraction.

(Complete Specification 09 Pages Drawing 01 Sheet)



FORMULA. 1

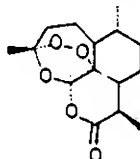
Indian Classification	:	32 F3, 55 E4	191269
International Classification ⁷	:	A61K 31/357, A61P 33/06 A61K 31/365	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF DIHYDROARTEMISININ."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	CHANDAN SINGH - INDIAN PALLAVI TIWARI - INDIAN	

Application for Patent Number 1535/Del/99 filed on 14th Dec. 99.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(8 Claims)

An improved process for the preparation of dihydroartemisinin which comprises reducing 0.015 g/ml artemisinin for formula 1



with 0.005 g/ml NaBH_4 and 0.045 g/ml cation exchanger of the kind as herein described in an aprotic solvent as herein described in a temperature range of 0°C to 30°C , removing of the cation exchanger by known method concentrating and purifying the product by known methods to furnish dihydroartemisinin.

(Complete Specification 7 Pages Drawings 1 Sheet)

Indian Classification	:	55F	191270
International Classification ⁴	:	A 61 K 35/78.	
Title	:	"A PROCESS FOR THE PREPARATION OF A BIOACTIVE COMPOSITION FROM NYCTANTHES ARBOR-TRISTIS HAVING 8-12% OF CROCIN, 20-28% OF CROCIN-2 AND 40-55% CROCIN-3.	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	GOPAL KRISHAN GUPTA ASHOK KUMAR SHARMA SUNIL KUMAR BANERJEE BUPINDER SINGH BAL KRISHAN CHANDAN SUKHDEV SWAMI HANDA- ALL INDIAN	

Application for Patent Number 1563/DEL/99 filed on 21/12/1999.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Delhi Branch, New Delhi - 110 008.

(07 Claims)

A process for the preparation of a bioactive composition from *Nyctanthes arbor-trisits* having 8-12% of crocin, 20-28 % of crocin 2 and 40-55% crocin 3 which comprise of : extracting flowers or its defatted flowers of *Nyctanthes arbor-trisits* with a polar solvents such as herein described, removing the solvents by known methods such as herein described, suspending the residue obtained above in water and washing it with a non-polar solvent in case when defatting of flower is not done by extraction, then with moeerately polar solvent such as herein described, followed by extraction of the active constituents with polar solvent such as n-butanol or ethyl acetate-methanol, propanol removing solvent by known methods such as herein described followed by evaporation to get bioactive composition comprising 8-12% of crocin, 20-28% of crocin 2 and 40-55% crocin 3.

(Complete Specification Pages 13 Drawing NIL Sheet)

AMENDMENT PROCEEDING UNDER SECTION 57

In pursuance of leave granted u/s. 57 of the Patents Act, 1970, Patent Application No. 600/MAS/94 (185049) of AHLSTROM MACHINERY OY, A Finnish corporation of Lars Sonckin Kaari 12, FIN—02600 Espoo, Finland has been allowed to proceed in the name of ANDRITZ AHLSTROM OY of the same address.

OPPOSITION PROCEEDING (SEC. 25)

The opposition as entered by M/s. Bajaj Auto Ltd., Pune to the grant of Patent on Application No. 176906 (223/BOM/1993) made by The Director, Automotive Research Association of India, Pune as notified in Gazette of India, Part-III, Section 2 dated 5th October, 1996 has been dismissed.

The opposition as entered by Procter & Gamble Far East Inc, Japan to the grant of a Patent on Application No. 181416 (129/BOM/1994) made by Hindustan Lever Limited, Mumbai as notified in Gazette of India, Part-III, Section 2 dated 13.6.1998 has been dismissed.

PATENT SEALED ON 19-09-2003 (KOLKATA)

188941 188942 188943 188944 188945 188946 188947 188948 188951 188952 188954 188955 188956
188957 188958 188959 188961 188962 188963 188964 188965 188966 188970 188971 188972 188973
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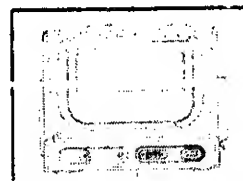
KOL—08 ; CHEN—NIL; DEL—23; MUM—NIL.

REGISTRATION OF DESIGNS

The following designs have been registered. They are open for public inspection. (Colour combination if any, is not shown in the representation)

The dates shown in the following each entry is the date of registration.

Class. 03-01 No.190734. Huntleigh Technology PLC, A British co. of 310-312 Dallow Road, Luton, Bedfordshire, LU11TD U.K. "MEDICAL DEVICE CASING" (Reciprocity, U.K.) 21st June 2002.



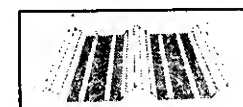
Class. 01-01 No.191935. ITC Limited an Indian Co. of Virginia House, 37, J.L. Nehru Road, Kolkata-700071, West Bengal, India. "BISCUIT" 23rd April 2003.



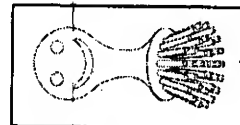
Class 03-01 No.191536. V.I.P. Industries Limited, Secretarial & Legal Dept. DGP House 38-C, Old Prabhadevi Road, Mumbai-400025. "HANDI-AG" 17th March 2003.



Class 25-01 No.191035. BHP Steel Limited, of 1 York Street, Sydney, New South Wales 2001, Australia. "PANEL FOR BUILDING CONSTRUCTION" (Reciprocity, Australia) 25th July 2002.



Class 04-01 No.189811. Coronet Werke'GMBH of Beustadt 2, D-69483 Wald Michelbagh, Germany, A German Co. "**POT BRUSH**" (Reciprocity International) 27th February 2002



Class 03-01 No.191535. V.I.P. Industries Limited, Secretarial & Legal Dept. DGP House, 88-C, Old Prabhadevi Road, Mumbai-400025. "**BRIEFCASE**" 17th March 2003.



Class 06-01 No.192233. Nilkamal Plastics Ltd. Of Survey No. 354/2 & 354/3, near Rakholi Bridge, Silvassa-Khanvel Road, Village Vasona, Silvassa (D & N.H.)(U.T.) India. "**CHAIR**" 29th May 2003



Class 09-07 No.191775.Rustom Jal Doctor of Presswala Building, 5th Floor. 190, Lamington Road, Mumbai-400007, Maharashtra, India. "**TEAR OFF SEAL**" 4th April 2003.



Class 09-03 No. 191776. M/s. Pooja Thermowear, at Gala No. 18, Kamala Bhavan, Sharma Industrial Estate, Walbhat Road, Goregaon (E), Mumbai-400063. Maharashtra, India. "**CONTAINER**" 8th April 2003.



Class 12-11 No.191479. M/s. Petco of 59, Mysore Colony, Mehul Road, Chembur, Mumbai-400074, Maharashtra, India. **"SEAT"** 11th March 2003.



Class 09-04 No.191618. Nilkamal Plastics Ltd. Of Survey No. 354/2 & 354/3, near Rakholi Bridge, Silvassa-Khanvel Road, Village Vasona, Silvassa (D & N.H.)(U.T.) India. **"CRATE"** 21ST March 2003



Class 12-16 No.191072. M/s. Petco of 59, Mysore Colony, Mehul Road, Chembur, Mumbai-400074, Maharashtra, India. **"SEAT OF A BICYCLE"** 11th March 2003.



Class 04-01 No.191073. M/s. Gebi Products of 701, Shilpa APT. Jagdusha Nagar, Ghatkopar (W), Mumbai-400086. Maharashtra, India. **"MOP"** 23rd January 2003



Class 08-09 No.190908. Farl Bihari Pvt. Ltd. Of Sakivihar Road, Mumbai-400072, Maharashtra, India. **"BACK PABLE CONNECTOR"** 7th January 2003



Class 09-07 No.190955.M/s. Rajesh Plastics of Garwak Udyog Nagar, Build Ext. 2, Unit No. 15, Sativali Road, Village-Waliv, Vasai (E), Thane, Maharashtra. **"SEALING CAP"** 9th January 2003



Class 01-01 No.191937 ITC Limited an Indian Co. of Virginia House, 37, J.L. Nehru Road, Kolkata-700071, West Bengal, India. **"BISCUIT"** 23rd April 2003.



Class 01-01 No.191934. ITC Limited an Indian Co. of Virginia House, 37, J.L. Nehru Road, Kolkata-700071, West Bengal, India. **"BISCUIT"** 23rd April 2003.



Class 06-03 No.190916. . Farl Bihari Pvt. Ltd. Of Sakivihar Road, Mumbai-400072, Maharashtra, India. **"COMPUTER KEY BOARD STATION"** 7th January 2003



Class 06-03 No.190915. . Farl Bihari Pvt. Ltd. Of Sakivihar Road, Mumbai-400072, Maharashtra, India. **"COMPUTER KEY BOARD STATION"** 7th January 2003



- Class 06-01 No.192234. Nilkamal Plastics Ltd. Of Survey No. 354/2 & 354/3, near Rakholi Bridge, Silvassa-Khanvel Road, Village Vasona, Silvassa (D & N.H.)(U.T.) India. **"CHAIR"** 29TH May 2003



- Class 01-01 No.191936. ITC Limited an Indian Co. of Virginia House, 37, J.L. Nehru Road, Kolkata-700071, West Bengal, India. **"BISCUIT"** 23rd April 2003.



- Class 02-04 No.191821.Liberty Shoes Limited, of Liberty Puram 13, Milestone, GT Karnal Road, DT-Karnal-132001, Haryana, India. **"SOLE FOR FOOTWEAR"** 9th April 2003.



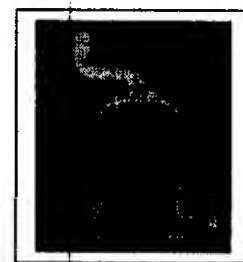
- Class 25-01 No.191306. M/s. A-One Concrete Products At vankulath Vayal, Azhikode, Kannur-670009, Kerala, Indian national. **"TILES"** 17th Feb. 2003



- Class 07-01 No.191878. M/s. Naman Plastics of Harharwala Bldg. No. 3/9, Sane Guruji Road, Opp: Ganesh Talkies, Gas Company Lane, Mumbai-400012, Maharashtra, India. **"LID FOR JAR"** 16th April 2003.



Class 07-01 No.191877. M/s. Naman Plastics of Harharwala Bldg. No. 3/9, Sane Guruji Road, Opp: Ganesh Talkies, Gas Company Lane, Mumbai-400012, Maharashtra, India. **"LID FOR JAR"** 16th April 2003.



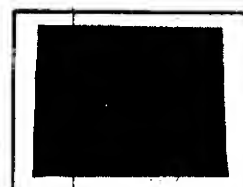
Class 07-01 No.191879. M/s. Naman Plastics of Harharwala Bldg. No. 3/9, Sane Guruji Road, Opp: Ganesh Talkies, Gas Company Lane, Mumbai-400012, Maharashtra, India. **"LID FOR JAR"** 16th April 2003.



Class 05-05 No.191809. Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. **"TEXTILE FABRIC"** 9th April 2003.



Class 05-05 No.191810. . Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. **"TEXTILE FABRIC"** 9th April 2003.



Class 05-05 No.191807. Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. **"TEXTILE FABRIC"** 9th April 2003.



Class 05-05 No.191806. Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. "TEXTILE FABRIC" 9th April 2003.



Class 05-05 No.191811. Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. "TEXTILE FABRIC" 9th April 2003.



Class 05-05 No.191814. Ritika Limited, of 138, Beliaghata Road, Calcutta-700015, West Bengal, India. "TEXTILE FABRIC" 9th April 2003.



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Controller General of Patents, Designs & Trademarks